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TITLE : PREPARATION OF INOSINE BY FERMENTATION PROCESS

ABSTRACT : PURPOSE: To prepare inosine in high yield, by cultivating a bacterium belonging to the genus *Bacillus*, containing a vector integrated with a genetic range taking part in purine analog resistance.

CONSTITUTION: A bacterium such as *Bacillus subtilis* AJ11836(FERM-P6457) capable of producing inosine obtained by adding a vector integrated with a genetic range taking part in purine analog resistance obtained from the chromosome of a variant belonging to the genus *Bacillus* having analog resistance to an adenine demanding variant belonging to the genus *Bacillus* is inoculated to a nutritive medium, cultivated under aerobic conditions at 4-8pH for 1-5 days, and inosine is collected from the culture solution.

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